

PROCEEDINGS
OF THE
50TH ANNUAL
PACIFIC NORTHWEST
FISH CULTURE CONFERENCE



December 7 - 9, 1999

Renaissance Madison Hotel
Seattle, Washington

Conference Hosted By
U.S. Fish and Wildlife Service, Region 1

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Preface

The U.S. Fish and Wildlife Service is proud and privileged to host the 50th annual Pacific Northwest Fish Culture Conference. The Service has a long and distinguished history and looks forward to innovative new applications for fish culture and hatcheries in the future. Fish culturists and scientists from private, State, Tribal and Federal facilities in the Northwest have always needed and used this unique conference as a forum to exchange mutually-beneficial ideas, techniques, and science to improve the various products that hatcheries have provided. This year we have added an opportunity for the “back-bone” workers in fish culture to use the “Innovation Station” to share their innovative ideas without the burden of a formal presentation.

The Organizing Committee selected this year’s theme to coincide with the “Golden Anniversary” of the Northwest Fish Culture Conference, and to pay tribute to those who have gone before us. The original sponsors were the Bureau of Commercial Fisheries (National Marine Fisheries Service), Bureau of Sport Fisheries (U.S. Fish and Wildlife Service), Washington Department of Fisheries, Washington Department of Game, Fish Commission of Oregon, and the Oregon Game Commission. Several of these agencies have changed names, reorganized, or restructured, but the spirit, comradery and science have continued.

To this year’s participants: we welcome you to a “Proud Past - A Golden Future”!

These Proceedings contain abstracts and talks presented at the conference. They are unedited, contain progress reports of uncompleted programs, and, as such, should not be considered a formal, peer-reviewed publication. Mention in these Proceedings does not indicate approval, recommendation, or endorsement of any proprietary product or material.

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Acknowledgements:
Cover design: Artwork by Glenn Green, USFWS;
logo design, Ken Morris, USFWS

Table of Contents

	Page
Preface	i
 Session I: History and Vision for the Future	
Halver, John. University of Washington. The Columbia River development program: Origin, hatcheries, labs, personalities, successes, faults.	1
McGehee, Jerry. Idaho Department of Fish and Game. Cream cans to stainless steel tankers. . .	5
Klontz, G. William. Nelson and Sons, Inc. . Fish for the Future, and Hatcheries of the Future. .	7
 Session II: Monitoring and Evaluation	
Tipping, Jack. Washington Department of Fish and Wildlife. Postrelease recoveries of hand fed versus demand fed sea-run cutthroat trout, and postrelease survivals of sea-run cutthroat reared in a pond for various durations	21
Shearer, Karl*, Paul Parkins, Brian Beckman. National Marine Fisheries Service. The effects of growth rate and a low fat diet on the incidence of sexual maturation in 1+ age male spring chinook salmon	29
Ewing, R.D. Biotech Research and Consulting, Inc. Increased rearing densities in hatcheries can increase runs of Columbia River spring chinook salmon.	31
Schuck, Mark. Washington Department of Fish and Wildlife. Monitoring, evaluation and management: An ESA connection	35
Sharpe, Cameron*, Patrick L. Hulett, Chris W. Wagemann, Mark J. Johnson. Washington Department of Fish and Wildlife. The Kalama River wild broodstock steelhead program: Comparisons of contemporary and traditional hatchery practices.	43
 Session III: Fish Health	
Morrison, John*, Bill Edwards, Jason Reeves, John Reier, Chris Pasley, Bob Adams, Chris Dammann, Dan Ryals. U.S. Fish and Wildlife Service. Flavor Tabs: Are fish that picky about how they are given their medicine?	53
Olson, Doug*, Mary PetersSwihart, Mike Paiya, Steve Pastor. U.S. Fish and Wildlife Service. Effect of erythromycin feed treatments on BKD and survival of spring chinook salmon at Warm Springs National Fish Hatchery.	55
Myers, Lara*, Timothy A. Whitesel. Oregon Department of Fish and Wildlife. Erythromycin feed treatment can reduce the osmoregulatory ability of juvenile chinook salmon in saltwater	57
Munson, Doug, Keith Johnson*. Idaho Department of Fish and Game. Managing <i>Myxobolus cerebralis</i> infections at two IDFW-operated chinook hatcheries in the Upper Salmon River.	59

Session IV: Innovations, Engineering and New Technology

Berejikian, Barry*, E. Paul Tezak, Thomas Flagg, Anita LaRae, Eric Kummerow, and Conrad Mahnken. National Marine Fisheries Service. Social behavior and competitive ability of juvenile steelhead (<i>Oncorhynchus mykiss</i>) cultured in enriched and 'conventional' hatchery vessels.	63
Bart, Amrit N., Greg Kindschi*, Hafiz Ahmed, Joe Clark, Jane Young, Robert S. Langer, Yonathan Zohar. U.S. Fish and Wildlife Service. Enhanced diffusion of calcein into rainbow trout fry using cavitation level ultrasound.	65
Phillipson, Kenneth. Northwest Indian Fisheries Commission. Hatchery management software: A relational approach.	73
Olson, Ron P. Northwest Indian Fisheries Commission. Electronic sampling for coded wire tags – To beep or not to beep?	77

Session V: Outreach

Anderson, Cheri. U.S. Fish and Wildlife Service. Why Outreach?	85
Franco, Rebeca. U.S. Fish and Wildlife Service. Get Wet! Get your kids in the creek!.	89
Brimm, Steve. U.S. Fish and Wildlife Service. Preserving our rich fish culture heritage for future generations: D.C. Booth Historic National Fish Hatchery	95
Broadus, Corky. U.S. Fish and Wildlife Service. Media... Friend or Foe? Tips and tricks for successful media relations	97
Friez, Curt. U.S. Fish and Wildlife Service. Migration golf: Links to the sea.	101
Grant, Connie. U.S. Fish and Wildlife Service. Ideas for developing "fin bin" education outreach activities.	105

Poster Session Abstracts

Alcorn, Steward, Anthony Murray, Ronald Pascho. U.S. Geological Survey. Effects of ration level on selected parameters of disease resistance in chinook salmon (<i>Oncorhynchus tshawytscha</i>).	111
Allard, Donna. U.S. Fish and Wildlife Service. Columbia River Fish Marking Program	113
Barrows, Frederic T., Alan Harmata, Dennis Flath, Daryl Marcum, Peter Harmata. Evaluation of American white pelicans and bald eagles as vectors on <i>Myxobolus cerebralis</i>	115
Bowker, J.D., D. Carty, D.A. Erdahl, B.J. Elliott, A.B. Gray. U.S. Fish and Wildlife Service. Current research on the approval of chloramine-T for use in public aquaculture.	125
Brown, Art. Washington State warmwater gamefish enhancement program	131
Bumgarner, Joseph D. Washington Department of Fish and Wildlife. Evaluation of hatchery outplant release strategies for spring chinook smolts in the Tucannon River	133
Campbell, Matthew R., Madison S. Powell, Richard N. Williams, Jeff C. Dillon. University of Idaho. Introgressive hybridization between rainbow and cutthroat trout in Henry's Lake, Idaho	139

Dredge, Brad. Idaho Department of Fish and Game. Thermally induced otolith marking of kokanee salmon	141
Elliott, B.J. and D.E. Erdahl. National INAD program – Participation by non-USFWS entities on USFWS INADs	143
Hayes, Michael D., W.A. Cameron, R.W. Stonecypher, Jr. Oregon Department of Fish and Wildlife. Rearing salmon and steelhead in high-density Michigan raceways: Umatilla hatchery progress report.	145
Izbicki, Adam and Ray Jones. U.S. Fish and Wildlife Service. A trial of three starter feeds on steelhead fry at Dworshak National Fish Hatchery.	147
McCarthy, Terry. Water Management Technologies, Inc. Fish counting and bio-mass assessment equipment.	149
Sawyer, Susan. U.S. Fish and Wildlife Service. “Can-Do” hatchery outreach projects.	151
Strassburg, Kimberly. U.S. Fish and Wildlife Service. Outreach life cycle.	153
True, Kimberly, Scott Foott, Ken Nichols. U.S. Fish and Wildlife Service. Epidemiological studies on IFN virus in Sacramento River Chinook.	155
Wagner, Eric. Utah Division of Wildlife. Effect of povidone iodine on viability of tye triactihomyxon stage of <i>Myxobolus cerebralis</i>	157
Commercial Exhibitors	163
Door Prize and Donor List	167
Pacific Northwest Fish Culture Conference Historical Record	171